IN THE CLAIMS:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method of composing a scene content from digital video data streams containing video objects, said method comprising:

[[a]] decoding ~~step~~ for generating decoded object frames from ~~said~~ the digital video data streams; ~~, and~~

[[a]] rendering ~~step~~ for composing intermediate-composed frames in a composition buffer from ~~said~~ the decoded object frames; [[,]] ~~characterized in that said method also comprises~~ and

[[a]] scaling ~~step applied to said~~ the intermediate-composed frames for generating output frames constituting scene content.

2. (cancelled)

3. (currently amended) [[A]] The method of ~~composing a scene content as claimed in~~ claim ~~2, characterized in that it comprises~~ 1, wherein the scaling ~~step~~ of a current intermediate-composed frame ~~is designed to be performed by the signal co-processor while~~ and the decoding ~~step~~ of a future intermediate-composed frame are provided simultaneously by a signal co-processor and a signal processor, respectively, operable synchronously and parallel to one another ~~which generates decoded object frames used for the composition of the future intermediate-composed frame is being performed simultaneously by the signal processor~~.

4. (currently amended) [[A]] The method of ~~composing a scene content as claimed in~~ of claim 3, ~~characterized in that it comprises~~ wherein during the scaling of the current intermediate-composed frame ~~step~~, the decoding of the future intermediate-composed

frame ~~step~~ is limited to decoding a maximum number of object frames used for the composition of future intermediate-composed frames.

5. (currently amended) A device for composing a scene content from digital video data streams containing video objects, said device comprising:

decoding means for providing decoded object frames from ~~said~~ the digital video data streams; ~~, and~~

rendering means for composing intermediate-composed frames in a composition buffer from ~~said~~ the decoded object frames[[,]]; and ~~characterized in that said device also comprises~~

scaling means applied to ~~said~~ the intermediate-composed frames for generating output frames constituting scene content.

6. (currently amended) [[A]] The device for ~~composing a scene content as claimed in~~ of claim 5, ~~characterized in that it comprises~~ wherein the decoding means comprises ~~separate processing means composed by~~ a signal processor ~~which is dedicated to non-extensive data manipulation tasks~~ operative to execute decoding from the digital video data streams, and ~~by~~ the rendering means comprises a signal co-processor ~~which is dedicated to non-extensive data manipulation tasks~~ operative to execute rendering and scaling of the decoded object frames separately from the signal processor, ~~said~~ the signal processor and the signal co-processor ~~processing means~~ being ~~designed~~ operative to execute synchronized and parallel calculations for creating simultaneously current and future output frames from said intermediate-composed frames.

7. (cancelled)

8. (currently amended) [[A]] The device for ~~composing a scene content as claimed in~~ of claim 5, ~~7, characterized in that it comprises~~ wherein during the scaling ~~step~~, the decoding means ~~are limited to decoding~~ is operative to decode a maximum number of object frames used for ~~the~~ composition of future intermediate-composed frames.

3

9. (currently amended) A set top box designed for composing a scene content from digital video data streams encoded according to the MPEG-4 standard, ~~and carrying out a method as claimed in claim 1~~ comprising:

a decoding unit operable to generate decoded object frames from the respective digital video data streams;

a rendering unit operable to render intermediate-composed frames in a composition buffer from the decoded object frames; and

a scaling unit operable to scale the rendered intermediate-composed frames for generating output frames constituting scene content by the composition engine.

10. (currently amended) A computer program product readable by ~~for~~ a device for composing a scene content from decoded object frames and causing the device to perform operations, the operations[[,]] comprising ~~a set of instructions which, when loaded into said device for composing, causes said device for composing to carry out the method as claimed in claim 1~~.

decoding the digital video data streams for generating respective decoded object frames;

rendering the decoded object frames for composing intermediate-composed frames in a composition buffer; and

scaling the intermediate-composed frames for generating output frames constituting scene content.

11. (New) The set top box of claim 9, wherein the decoding and scaling unit have respective signal processor and co-processor operable synchronously with and parallel to one another to simultaneously create future and current intermediate frames.

12. (New) The computer program product of claim 10, wherein the decoding and scaling operations are simultaneously executed by respective signal processor and co-processor operable synchronously with and parallel to one another.